

GenCore version 6.2.1
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OM nucleic - nucleic search, using sw model

Run on: May 17, 2007, 16:38:27 ; Search time 2 Seconds

(without alignments)

20.947 Million cell updates/sec

Title: AC139623

Perfect score: 202471
 Sequence: 1 ATCAAATGAGGAATTAAATG.....CTGTAGAGAGACATTCCA 203371

Scoring table: IDENTITY_NUC
 Gapop 10.0 , Gapext 0.5

Searched: 6 seqs, 103 residues

Total number of hits satisfying chosen parameters: 12

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 10%

Listing first 45 summaries

Database : seq4toseq9.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Score	Match	Length	DB	ID	Description
1		21	0.0	21	1	US-10-717-573-8	Sequence 8, Appli
c 2		19.4	0.0	21	1	US-10-717-573-8	Sequence 8, Appli
c 3		16.8	0.0	20	1	US-10-717-573-7	Sequence 7, Appli
c 4		16.8	0.0	20	1	US-10-717-573-7	Sequence 7, Appli
c 5		16.8	0.0	20	1	US-10-717-573-9	Sequence 9, Appli
c 6		15.8	0.0	20	1	US-10-717-573-9	Sequence 9, Appli
c 7		11.4	0.0	13	1	US-10-717-573-5	Sequence 5, Appli
c 8		11	0.0	13	1	US-10-717-573-5	Sequence 5, Appli
c 9		10.8	0.0	14	1	US-10-717-573-4	Sequence 4, Appli
c 10		10.8	0.0	14	1	US-10-717-573-4	Sequence 4, Appli
c 11		11.8	0.0	15	1	US-10-717-573-6	Sequence 6, Appli
c 12		12.4	0.0	15	1	US-10-717-573-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1	US-10-717-573-8	Query	Score	Match	Best Local Similarity	DB	Length	TYPE: DNA	ORGANISM: Danio rerio
		Sequence 8, Application US/10717573	0.0%	Score 21;	DB 1;	Length 20;			
		GENERAL INFORMATION:							
		APPLICANT: WU, Jen-Leih							
		TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM							
		FILE REFERENCE: 33151-188802							
		CURRENT APPLICATION NUMBER: US/10/717-573							
		CURRENT FILING DATE: 2003-11-21							
		NUMBER OF SEQ ID NOS: 30							
		SOFTWARE: PatentIn version 3.2							
		SEQ ID NO 8							
		LENGTH: 21							
		TYPE: DNA							
RESULT 2	US-10-717-573-8/c	Query	Score	Match	Best Local Similarity	DB	Length	TYPE: DNA	ORGANISM: Danio rerio
		Sequence 8, Application US/10717573	0.0%	Score 21;	DB 1;	Length 21;			
		GENERAL INFORMATION:							
		APPLICANT: HER, Guor Mour							
		TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM							
		FILE REFERENCE: 33151-188802							
		CURRENT APPLICATION NUMBER: US/10/717-573							
		CURRENT FILING DATE: 2003-11-21							
		NUMBER OF SEQ ID NOS: 30							
		SOFTWARE: PatentIn version 3.2							
		SEQ ID NO 1							
		LENGTH: 21							
		TYPE: DNA							
RESULT 3	US-10-717-573-7	Query	Score	Match	Best Local Similarity	DB	Length	TYPE: DNA	ORGANISM: Danio rerio
		Sequence 7, Application US/10717573	0.0%	Score 21;	DB 1;	Length 21;			
		GENERAL INFORMATION:							
		APPLICANT: WU, Jen-Leih							
		TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM							
		FILE REFERENCE: 33151-188802							
		CURRENT APPLICATION NUMBER: US/10/717-573							
		CURRENT FILING DATE: 2003-11-21							
		NUMBER OF SEQ ID NOS: 30							
		SOFTWARE: PatentIn version 3.2							
		SEQ ID NO 7							
		LENGTH: 20							
		TYPE: DNA							
RESULT 4	US-10-717-573-7/c	Query	Score	Match	Best Local Similarity	DB	Length	TYPE: DNA	ORGANISM: Danio rerio
		Sequence 7, Application US/10717573	0.0%	Score 19.4;	DB 1;	Length 21;			
		GENERAL INFORMATION:							
		APPLICANT: WU, Jen-Leih							
		TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM							
		FILE REFERENCE: 33151-188802							
		CURRENT APPLICATION NUMBER: US/10/717-573							
		CURRENT FILING DATE: 2003-11-21							
		NUMBER OF SEQ ID NOS: 30							
		SOFTWARE: PatentIn version 3.2							
		SEQ ID NO 8							
		LENGTH: 21							
		TYPE: DNA							

APPLICANT: HER, Guor Mour
 TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
 TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
 FILE REFERENCE: 33151-188802
 CURRENT APPLICATION NUMBER: US/10/717,573
 CURRENT FILING DATE: 2003-11-21
 NUMBER OF SEQ ID NOS: 30
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 7
 LENGTH: 20
 TYPE: DNA
 ORGANISM: Danio rerio

Query Match 0.0%; Score 16.8; DB 1; Length 20;
 Best Local Similarity 90.0%; Pred. No. 2.2;
 Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 SEQ ID 45094 TTAATTGTTGTTGTTAAATT 45113
 Db 20 TTAATTGTTGTTGTTAAATT 1

RESULT 5
 US-10-717-573-9
 Sequence 9, Application US/10717573
 GENERAL INFORMATION:
 APPLICANT: WU, Jen-leih
 ORGANISM: HER, Guor Mour
 TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
 TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
 FILE REFERENCE: 33151-188802
 CURRENT APPLICATION NUMBER: US/10/717,573
 CURRENT FILING DATE: 2003-11-21
 NUMBER OF SEQ ID NOS: 30
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 9
 LENGTH: 20
 TYPE: DNA
 ORGANISM: Danio rerio

Query Match 0.0%; Score 16.8; DB 1; Length 20;
 Best Local Similarity 90.0%; Pred. No. 2.2;
 Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 SEQ ID 28874 TAGTTAACCTTAATTAACCTA 28893
 Db 1 TAGTTAACCTTAATTAACCTA 20

RESULT 6
 US-10-717-573-9/c
 Sequence 9, Application US/10717573
 GENERAL INFORMATION:
 APPLICANT: WU, Jen-leih
 ORGANISM: HER, Guor Mour
 TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
 TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
 FILE REFERENCE: 33151-188802
 CURRENT APPLICATION NUMBER: US/10/717,573
 CURRENT FILING DATE: 2003-11-21
 NUMBER OF SEQ ID NOS: 30
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 9
 LENGTH: 20
 TYPE: DNA
 ORGANISM: Danio rerio

Query Match 0.0%; Score 15.8; DB 1; Length 20;
 Best Local Similarity 89.5%; Pred. No. 3.1;
 Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Q
 RESULT 7
 US-10-717-573-5
 Sequence 5, Application US/10717573
 GENERAL INFORMATION:
 APPLICANT: WU, Jen-leih
 ORGANISM: HER, Guor Mour
 TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
 TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
 FILE REFERENCE: 33151-188802
 CURRENT APPLICATION NUMBER: US/10/717,573
 CURRENT FILING DATE: 2003-11-21
 NUMBER OF SEQ ID NOS: 30
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 5
 LENGTH: 13
 TYPE: DNA
 ORGANISM: Danio rerio

US-10-717-573-5
 Query Match 0.0%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 13;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

RESULT 8
 US-10-717-573-5/c
 Sequence 5, Application US/10717573
 GENERAL INFORMATION:
 APPLICANT: WU, Jen-leih
 ORGANISM: HER, Guor Mour
 TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
 TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
 FILE REFERENCE: 33151-188802
 CURRENT APPLICATION NUMBER: US/10/717,573
 CURRENT FILING DATE: 2003-11-21
 NUMBER OF SEQ ID NOS: 30
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 5
 LENGTH: 13
 TYPE: DNA
 ORGANISM: Danio rerio

US-10-717-573-5
 Query Match 0.0%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 13;
 Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

RESULT 9
 US-10-717-573-4
 Sequence 4, Application US/10717573
 GENERAL INFORMATION:
 APPLICANT: WU, Jen-leih
 ORGANISM: HER, Guor Mour
 TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
 TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
 FILE REFERENCE: 33151-188802
 CURRENT APPLICATION NUMBER: US/10/717,573
 CURRENT FILING DATE: 2003-11-21

5

4

6

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RESULT 12
US-10-717-573-6/C
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-6
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4

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RESULT 10
US-10-717-573-4/C
; Sequence 4, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-4
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4

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Query Match 0.0%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 13;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 29041 TCCGTTAACAGAA 29054
Db 1 TCCGATAAACAGAA 14
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Qy 157989 CAACAAAAATAAT 158002

Db 15 CAACACATATAAT 2

Search completed: May 17, 2007, 16:39:00
Job time : 27 secs

5ef 1D 10:4 85.7 /

4

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Query Match 0.0%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 13;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 79291 TCTGGTTAACAGA 79304
Db 14 TTCTGGTTAACAGA 1
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6

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RESULT 11
US-10-717-573-6
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-6
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Qy 45042 AGTTTATTGTATTG 45056
Db 1 AATTATTGTATTG 15

17779

100 /.

No: 8

No: 7 90 /.

No: 6 92.9 %

No: 5 100 %

89.5

No: 9

GenCore version 6.2.1
 Copyright (c) 1993 - 2007 Biocceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 17, 2007, 16:41:06 ; Search time 1 Seconds

(without alignments)

33.462 Million cell updates/sec

Title: AL929535

Perfect score: 162436
 Sequence: 1 GAATTCGGCCAGATTGCG.....TAATTTTACTTGAAATTTC 162436

Scoring table: IDENTITY_NUC
 Gapok 10.0 , Gapext 0.5 .

Searched: 6 seqs, 103 residues

Total number of hits satisfying chosen parameters: 12

Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : seq4toseq9.seqi:
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Score	Match Length	DB ID	Description
1	16.8	0.0	20 1 US-10-717-573-9	Sequence 9, Appli
c 2	18.4	0.0	20 1 US-10-717-573-9	Sequence 9, Appli
c 3	19.4	0.0	21 1 US-10-717-573-8	Sequence 8, Appli
c 4	19.4	0.0	21 1 US-10-717-573-8	Sequence 8, Appli
c 5	15.2	0.0	20 1 US-10-717-573-7	Sequence 7, Appli
c 6	15.2	0.0	20 1 US-10-717-573-7	Sequence 7, Appli
c 7	11.4	0.0	13 1 US-10-717-573-5	Sequence 5, Appli
c 8	13	0.0	13 1 US-10-717-573-5	Sequence 5, Appli
c 9	12.4	0.0	14 1 US-10-717-573-4	Sequence 4, Appli
c 10	10.8	0.0	14 1 US-10-717-573-4	Sequence 4, Appli
c 11	11.8	0.0	15 1 US-10-717-573-6	Sequence 6, Appli
c 12	12.4	0.0	15 1 US-10-717-573-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1

US-10-717-573-9

Sequence 9, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-8

Sequence 8, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-9

Sequence 8, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-8

Sequence 8, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-8

Sequence 8, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-8

Sequence 8, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-8

Sequence 8, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-8

Sequence 8, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-8

Sequence 8, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-8

Sequence 8, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-8

Sequence 8, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-8

Sequence 8, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-8

Sequence 8, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-8

Sequence 8, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-8

Sequence 8, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-8

Sequence 8, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-Leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717-573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

APPLICANT: HER, Guor Mour
 TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
 TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
 FILE REFERENCE: 33151-188802
 CURRENT APPLICATION NUMBER: US/10/717,573
 CURRENT FILING DATE: 2003-11-21
 NUMBER OF SEQ ID NOS: 30
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO 8
 LENGTH: 21
 TYPE: DNA
 ORGANISM: Danio rerio

US-10-717-573-8

Query Match 0.0%; Score 19.4; DB 1; Length 21;
 Best Local Similarity 95.2%; Pred. No. 0.72;
 Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 81473 TTAGGGTAATTAGGCAAGTTA 81493
 Db 21 TTAGGGTAATTAGGCAAGTTA 1

RESULT 5
 US-10-717-573-7

Sequence 7, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717,573

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

SEQ ID NO 7
 LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-7

Query Match 0.0%; Score 15.2; DB 1; Length 20;

Best Local Similarity 85.0%; Pred. No. 3.7;

Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 136999 AATTAAACCAACAAATTAA 137018
 Db 1 ATTTAAAGGAAACAAATTAA 20

RESULT 6
 US-10-717-573-7/c

Sequence 7, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717,573

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

SEQ ID NO 7
 LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-7

Query Match 0.0%; Score 15.2; DB 1; Length 20;

Best Local Similarity 85.0%; Pred. No. 3.7;

Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 136999 AATTAAACCAACAAATTAA 137018
 Db 1 ATTTAAAGGAAACAAATTAA 20

RESULT 7
 US-10-717-573-5

Sequence 5, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717,573

CURRENT FILING DATE: 2003-11-21

Qy 137034 TTAACCTGGTGTGTTAAATT 137053
 Db 20 TTAATTTGGTGTGCTTAAAT 1.

RESULT 7
 US-10-717-573-5
 Sequence 5, Application US/10717573

GENERAL INFORMATION:

APPLICANT: HER, Guor Mour

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717,573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

SEQ ID NO 5
 LENGTH: 13

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-5

Query Match 0.0%; Score 11.4; DB 1; Length 13;
 Best Local Similarity 92.3%; Pred. No. 14;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 35781 AAAATAACAGGG 35793
 Db 1 AAAATAACAGGG 13

RESULT 8
 US-10-717-573-5/c

Sequence 5, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717,573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

SEQ ID NO 5
 LENGTH: 13

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-5

Query Match 0.0%; Score 13; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 11;

Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 81261 CCCTCTTATT 81273
 Db 13 CCCTCTTATT 1

RESULT 9
 US-10-717-573-4

Sequence 4, Application US/10717573

GENERAL INFORMATION:

APPLICANT: WU, Jen-leih

TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM

FILE REFERENCE: 33151-188802

CURRENT APPLICATION NUMBER: US/10/717,573

CURRENT FILING DATE: 2003-11-21

NUMBER OF SEQ ID NOS: 30

SOFTWARE: PatentIn version 3.2

SEQ ID NO 7
 LENGTH: 20

TYPE: DNA

ORGANISM: Danio rerio

US-10-717-573-7

Query Match 0.0%; Score 15.2; DB 1; Length 20;

Best Local Similarity 85.0%; Pred. No. 3.7;

Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

4

```

; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-4

Query Match 0.0%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 11;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 29052 TCGGTTAACAGAA 29065
Db 1 TCGGTTAACAGAA 14

```

4

```

RESULT 10
US-10-717-573-4/C
; Sequence 4, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-6
```

4

```

Query Match 0.0%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 14;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 44370 TTCTGGTTATGGAA 44383
Db 14 TTCTGGTTATGGAA 1

```

6

```

RESULT 11
US-10-717-573-6
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-6
```

6

```

Query Match 0.0%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 12;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 69869 AATCGATTGTGTCTG 69883
Db 1 AATTTATTTGTGTTG 15

```

6

4

```

RESULT 12
US-10-717-573-6/C
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-6
```

4

```

Query Match 0.0%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 11;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 67162 AACRCAATAAACT 67175
Db 14 AACRCAATAAACT 1

```

Search completed: May 17, 2007, 16:41:32
Job time : 21 secs

- No:4 is not at 100%. 92.9%.

- No:5 is at 100%. 100%.

- 81261 - 81273 bp

4

```

Query Match 0.0%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 11;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 67162 AACRCAATAAACT 67175
Db 14 AACRCAATAAACT 1

```

Search completed: May 17, 2007, 16:41:32
Job time : 21 secs

- No:6 is not at 100%.

- No:7 is not at 100%.

- No:8 is not at 100%.

- No:9 is not at 100%.

GenCore version 6.2.1
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OM nucleic - nucleic search, using sw model

Run on: May 17, 2007, 16:43:05 ; Search time 1 Seconds

(without alignments)
 0.152 Million cell updates/sec

Title: BX240588
 Perfect score: 738
 Sequence: 1 CATGAAAGCTTAGCCTTGCT.....TTGAATGGTTATCTTATTC 738

Scoring table: IDENTITY_NUC
 Gapop 10_0 , Gapext 0.5

Searched: 6 seqs, 103 residues

Total number of hits satisfying chosen Parameters: 12

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 10%

Maximum Match 10.0%

Listing first 45 summaries

Database : seq4toseq9.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Match	Length	DB ID	Description
c 1	19.4	2.6	21	1 US-10-717-573-8	Sequence 8, Appli
c 2	18.4	2.5	20	1 US-10-717-573-9	Sequence 9, Appli
c 3	1.3	1.8	13	1 US-10-717-573-5	Sequence 5, Appli
c 4	10.4	1.4	13	1 US-10-717-573-5	Sequence 5, Appli
c 5	10.4	1.4	20	1 US-10-717-573-7	Sequence 7, Appli
c 6	1.0	1.4	20	1 US-10-717-573-9	Sequence 9, Appli
c 7	9.8	1.3	21	1 US-10-717-573-8	Sequence 8, Appli
c 8	9.4	1.3	15	1 US-10-717-573-6	Sequence 6, Appli
c 9	9.2	1.2	14	1 US-10-717-573-4	Sequence 4, Appli
c 10	8.8	1.2	15	1 US-10-717-573-6	Sequence 6, Appli
c 11	8.4	1.1	20	1 US-10-717-573-7	Sequence 7, Appli
c 12	6.8	0.9	14	1 US-10-717-573-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1	US-10-717-573-8/C	Sequence 8 Application US/10717573	GENERAL INFORMATION:	APPLICANT: WU, Jen-Leih	TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING	FILE REFERENCE: 33151-188802	CURRENT APPLICATION NUMBER: US/10/717-573	CURRENT FILING DATE: 2003-11-21	NUMBER OF SEQ ID NOS: 30	SOFTWARE: PatentIn version 3.2	SEQ ID NO 8	LENGTH: 21	TYPE: DNA
Qy	446 TTACGGTAAATTAGCCAAAGTTA 466												
Db	21 TTACGGTAAATTAGCCAAAGTTA 1												

; ORGANISM: Danio rerio
 US-10-717-573-8

Query Match 2.6%; Score 19.4; DB 1; Length 21;
 Best Local Similarity 95.2%; Pred. No. 0.26;
 Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 446 TTACGGTAAATTAGCCAAAGTTA 466
 Db 21 TTACGGTAAATTAGCCAAAGTTA 1

RESULT 2

US-10-717-573-9/C

; Sequence 9, Application US/10717573

; GENERAL INFORMATION:

; APPLICANT: WU, Jen-Leih

; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

; FILE REFERENCE: 33151-188802

; CURRENT APPLICATION NUMBER: US/10/717-573

; CURRENT FILING DATE: 2003-11-21

; NUMBER OF SEQ ID NOS: 30

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 9

; LENGTH: 20

; TYPE: DNA

; ORGANISM: Danio rerio

Query Match 2.5%; Score 18.4; DB 1; Length 20;
 Best Local Similarity 95.0%; Pred. No. 0.38%;
 Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 420 TAGCTTAATTAGCTTAACTA 439
 Db 20 TAGCTTAATTAGCTTAACTA 1

RESULT 3

US-10-717-573-5/C

; Sequence 5, Application US/10717573

; GENERAL INFORMATION:

; APPLICANT: WU, Jen-Leih

; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING

; FILE REFERENCE: 33151-188802

; CURRENT APPLICATION NUMBER: US/10/717-573

; CURRENT FILING DATE: 2003-11-21

; NUMBER OF SEQ ID NOS: 30

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 5

; LENGTH: 13

; TYPE: DNA

; ORGANISM: Danio rerio

Query Match 1.8%; Score 13; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 3.3%;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 237 CCCTCTTATTT 249
 Db 13 CCCTCTTATTT 1

RESULT 4

US-10-717-573-5

; Sequence 5, Application US/10717573

; GENERAL INFORMATION:

; APPLICANT: WU, Jen-Leih

8

APPLICANT: HER, Guor Mour
 TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
 TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
 FILE REFERENCE: 33151-188802
 CURRENT APPLICATION NUMBER: US/10/717,573
 CURRENT FILING DATE: 2003-11-21
 NUMBER OF SEQ ID NOS: 30
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO 5
 LENGTH: 13
 TYPE: DNA
 ORGANISM: Danio rerio

Query Match 1.4%; Score 10.4%; DB 1; Length 13;
 Best Local Similarity 91.7%; Pred. No. 6.7%;
 Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 655 AAATAAAAGGG 666
 Db 2 AAATAAACGGG 13

RESULT 5
 US-10-717-573-7
 Sequence 7 Application US/10717573
 GENERAL INFORMATION:
 APPLICANT: WU, Jen-Leih
 TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
 TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
 FILE REFERENCE: 33151-188802
 CURRENT APPLICATION NUMBER: US/10/717,573
 CURRENT FILING DATE: 2003-11-21
 NUMBER OF SEQ ID NOS: 30
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO 7
 LENGTH: 7
 TYPE: DNA
 ORGANISM: Danio rerio

7

Query Match 1.4%; Score 10.4%; DB 1; Length 20;
 Best Local Similarity 70.0%; Pred. No. 4.4%;
 Matches 14; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 637 ATTTAAATATAGAAATAA 656
 Db 1 ATTTAACCAACAACTTAA 20

RESULT 6
 US-10-717-573-7
 Sequence 9 Application US/10717573
 GENERAL INFORMATION:
 APPLICANT: WU, Jen-Leih
 TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
 TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
 FILE REFERENCE: 33151-188802
 CURRENT APPLICATION NUMBER: US/10/717,573
 CURRENT FILING DATE: 2003-11-21
 NUMBER OF SEQ ID NOS: 30
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO 9
 LENGTH: 20
 TYPE: DNA
 ORGANISM: Danio rerio

9

6

Query Match 1.4%; Score 10.4%; DB 1; Length 20;
 Best Local Similarity 72.2%; Pred. No. 4.8%;
 Matches 13; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1.4%; Score 10; DB 1; Length 20;
 Best Local Similarity 90.5%; Pred. No. 4.8%;
 Matches 14; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

RESULT 7
 US-10-717-573-8
 Sequence 8 Application US/10717573
 GENERAL INFORMATION:
 APPLICANT: WU, Jen-Leih
 TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
 TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
 FILE REFERENCE: 33151-188802
 CURRENT APPLICATION NUMBER: US/10/717,573
 CURRENT FILING DATE: 2003-11-21

6

Query Match 1.4%; Score 9.8%; DB 1; Length 21;
 Best Local Similarity 66.7%; Pred. No. 4.8%;
 Matches 14; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 416 TAATCTAGGTAAATTAGGTAA 436
 Db 1 TGACTTGCTTAATACCTTA 21

RESULT 8
 US-10-717-573-6/c
 Sequence 6 Application US/10717573
 GENERAL INFORMATION:
 APPLICANT: WU, Jen-Leih
 TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
 TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
 FILE REFERENCE: 33151-188802
 CURRENT APPLICATION NUMBER: US/10/717,573
 NUMBER OF SEQ ID NOS: 30
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO 6
 LENGTH: 15
 TYPE: DNA
 ORGANISM: Danio rerio

8

Query Match 1.3%; Score 9.8%; DB 1; Length 15;
 Best Local Similarity 90.9%; Pred. No. 7.4%;
 Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 579 AAAAAATAA 589
 Db 14 AACACAAATA 4

RESULT 9
 US-10-717-573-4/c
 Sequence 4 Application US/10717573
 GENERAL INFORMATION:
 APPLICANT: WU, Jen-Leih
 TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
 TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
 FILE REFERENCE: 33151-188802
 CURRENT APPLICATION NUMBER: US/10/717,573
 CURRENT FILING DATE: 2003-11-21

8

4

```

RESULT 12
US-10-717-573-4
; Sequence 4, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio

Query Match 1.2%; Score 9.2; DB 1; Length 14;
Best Local Similarity 78.6%; Pred. No. 8.3; Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Oy 260 TTCTTTTAAACAGA 273
Db 14 TTCTGTTATCGGA 1

```

6

```

RESULT 10
US-10-717-573-6
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio

Query Match 1.2%; Score 9.2; DB 1; Length 14;
Best Local Similarity 80.0%; Pred. No. 12; Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Oy 653 ATATAAAAAA 662
Db 5 ATAAACAGAA 14

```

Search completed: May 17, 2007, 16:43:05
Job time : 1 secs

5eg ID NO: 4

80.1
78.6

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Query Match 1.2%; Score 8.8; DB 1; Length 15;
Best Local Similarity 83.3%; Pred. No. 8.4; Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Oy 86 AATTCTATGTG 97
Db 1 AATTCTATGTG 12

```

7

No: 6
100%
91.7

83.3
90.9

```

Query Match 1.1%; Score 8.4; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 6.8; Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Oy 243 TTATTTTGTT 252
Db 20 TTATTTTGTT 11

```

No: 8
72.2

65.7
72.2

No: 9
72.2

65
72.2